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ABSTRACT

This career exploration instructional unit on airport careers is one of several resulting from the rural southwestern Colorado CEPAC Project (Career Education Process of Attitude Change). This unit is designed to help students become aware of the different types of jobs connected with running an airport (e.g., ticket agent, pilot, skycap, traffic controller, weather man) and some of the basic characteristics of each type. Included are 11 behavioral objectives; an oral pretest with answers; a vocabulary list; suggested field trips and resource people with contact persons and their telephone numbers included; 12 questions to ask resource people; 17 learning activities; 7 pictures for students to label; answer sheet for these pictures; 3 games to play; 15 occupational riddles; 12 airport career-related mathematics problems with answers; optional learning activities; and five suggestions for evaluating the learning of students. (EM)

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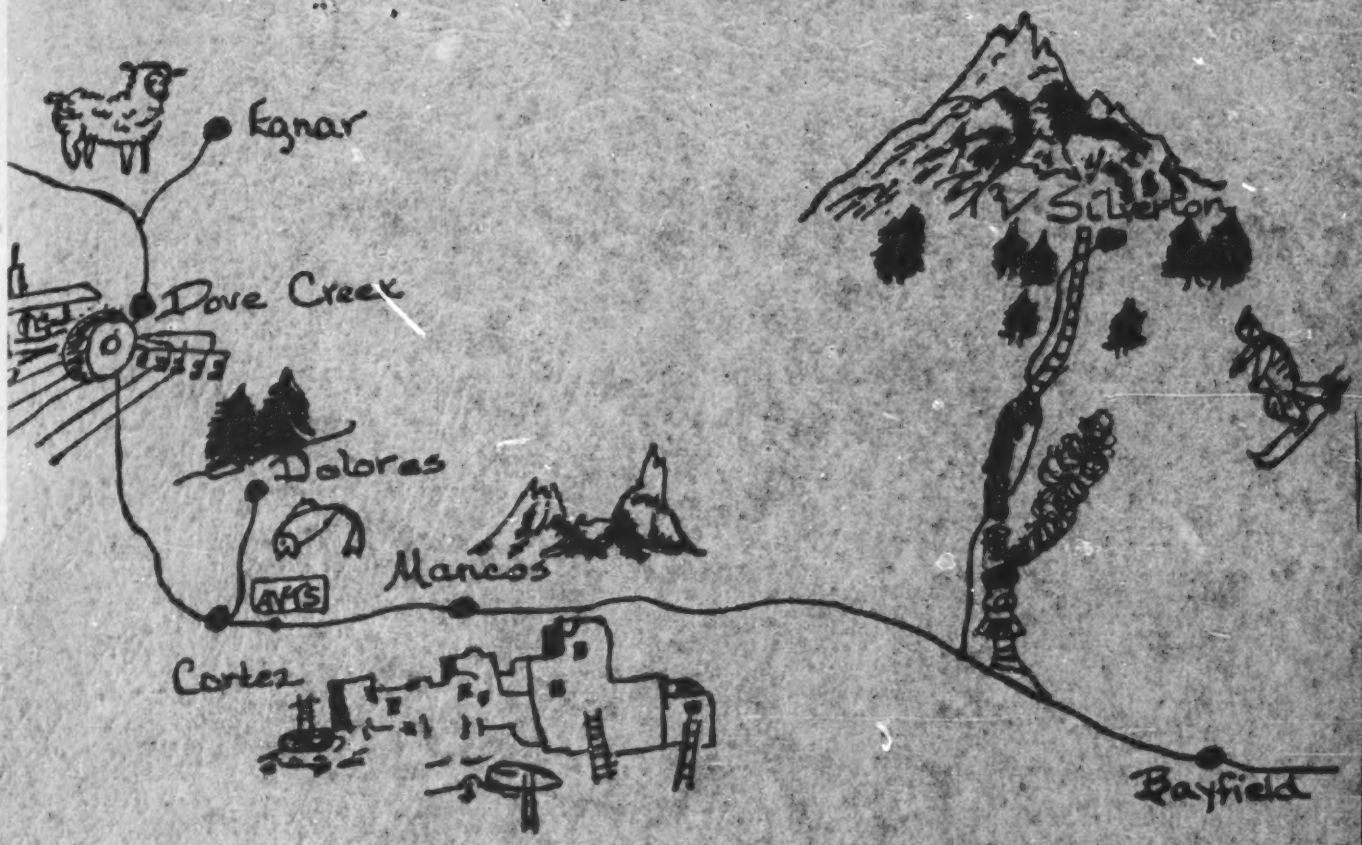


# C A R E E R  U N I T

## Careers at an Airport

U.S. DEPARTMENT OF HEALTH
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CEPAC: Career Education-
A Process of Attitude Change

San Juan Basin Area
Vocational-Technical School
Cortez Colorado

CE011 682

## FOREWARD

This career unit was prepared by Billie Booker and taught in her classroom as part of a comprehensive career education program. The CEPAC Career Education Project is a consortium in Southwestern Colorado administered through the San Juan Basin Area Vocational-Technical School including the school districts of:

Dolores RE-4A, Dolores, Colorado
Mancos RE-6, Mancos, Colorado
Dolores County RE-1-J, Dove Creek, Colorado
San Juan County No. 1, Silverton, Colorado
Egnar No. 18, Egnar, Colorado
Montezuma-Cortez RE-1, Cortez, Colorado
Bayfield 10Jt-R, Bayfield, Colorado

The reader should note that the career education unit presented here was developed for a particular class and may or may not be adaptable to all situations. This material has been reproduced so that others may benefit from the endeavors of the author and the Career Education Project.

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Purpose:

The purpose of this career-pac is to help students become aware of the different types of jobs connected with running an airport, and some of the basic characteristics of each type. They should also become aware that present school experiences are related to career requirements.

Objectives:

1. The student should be able to match various air transportation careers with a brief job description.
2. The student should be able to recognize varied career opportunities in the air transportation field.
3. The student will be able to illustrate the jobs of people who work in an airport.
4. The student will be able to show how these people's jobs keep the airport running smoothly.
5. The student will be able to show what must be done to prepare a jet airplane for flight.
6. The student will be able to show what is done to a jet airplane during a maintenance check.
7. The student will be able to show how several airline employees assist in air travel.
8. The student will be able to identify the airport job with the correct career name.
9. The student will get acquainted with persons working in the airport and find out exactly what they do.
10. The student will be able to match a list of basic words with their meaning.
11. The student will be able to name individuals who had a part in developing airplanes.

NOTE TO STUDENT (to be read by the teacher)

In this career-pac you will be watching, talking, and listening to people who work in and around an airport. You will become familiar with the basic type of work that each does and how they do most of their work.

As you are completing this pack think about your own interest in one of these jobs. Would you like to be one of the workers who provide services in and around a busy airport or would you rather work on an airplane at such jobs as a pilot, co-pilot, or stewardess?

PRE-TEST
(Oral)

1. The person who flies a jet airplane?

   Ans. Pilot

2. The building from which airplanes leave and from which you make reservations to fly when going a trip?

   Ans. Terminal Building

3. The person who sells tickets and checks one's baggage?

   Ans. Ticket Agent

4. The place where one buys a ticket and checks one's baggage?

   Ans. Ticket Counter

5. The board that shows what time different airplanes arrive from and leave for another city?

   Ans. Bulletin Board

6. The counter where passengers arriving from out of town can rent a car to drive while they are in town?

   Ans. Car Rental Service

7. The place where one eats while waiting in the terminal?
   Ans. Restaurant

8. The name given to what a jet plane is doing after arriving or when leaving an airport?

   Ans. Taxiing

9. The person who uses arm signals to show the pilot where to bring the airplane to a stop?

   Ans. Crewman

10. The girl who services the needs of people in the airplane?

    Ans. Stewardess

11. The name given to the pilots cabin is?

    Ans. Flight deck

12. The name of some of the instruments used to operate a big plane?

    Ans. Switches, Gages, Control Radio Radar Instruments

Pre-test continued

13. The man who pumps fuel from a big yellow tank truck into tanks inside the airplane's wing?

    Ans. Maintenance Man

14. The men who load mail sacks, luggage, and packages?

    Ans. Air Freight Agents

15. The men who check jets and repair the engines of airplanes to keep them running smoothly while the airplane is in flight?

    Ans. Mechanics

16. The name of the place where the men watch the weather and give out regular weather forecasts to pilots?

    Ans. Weather Station

17. The name of the men who are in the flight deck of the airplane?

    Ans. Pilot  Co-Pilot  Flight Engineer

18. The place where men stay who direct every move of the airplane both on the ground and in the air?

    Ans. Control Tower

19. The men who work in the control tower?

    Ans. Air Traffic Controllers

20. What do these men use to direct air traffic?

    Ans. Radio, radar, signal lights, and other special instruments

21. The name of the plane that has propellers powered by its jet engines and carries lighter loads over shorter distances than big jets.

    Ans. Turboprop

22. The name of a man who flew a tiny airplane all alone across the ocean from New York to Paris?

    Ans. Charles A. Lindbergh

23. The names of the men who invented the first airplane?

    Ans. Orville Wright
    Wilbur Wright

# VOCABULARY LIST

| WORDS | CAREERS |
|---|---|
| airplane | Airline Ticket Agent |
| airport | Aircraft Maintenance & Food Services |
| airlines | Aircraft and Maintenance Mechanics |
| aviation | Air Freight Agent |
| counter | Co-Pilot |
| forecast | Control Tower Operator |
| engineer | Flight Engineer |
| instrument | Pilot |
| luggage | Security Guard |
| maintenance | Stewardess |
| passenger | Skycap |
| propeller | Ticket Checker |
| radar | Traffic Controller |
| radio | WEather Man |
| representative | |
| restaurant | PEOPLE & PLACES |
| signal | Lindbergh, Charles A. |
| station | WRight, Orville |
| switch | Wright, Wilbur |
| taxiing | New York, N.Y. |
| temperature | Paris, France |
| terminal | |
| traffic | |
| turboprop | |
| weather | |

# FIELD TRIPS AND RESOURCE PEOPLE

## FIELD TRIPS

| | |
|---|---|
| 1. Cortez Airport | Contact Bill Moore<br>126 E. Main (Cortez)<br>565-3461 (telephone) |
| 2. Farmington Airport | |

## RESOURCE PEOPLE

| | |
|---|---|
| 1. Airline Ticket Agent | Glenn Wells<br>Cortez, Colo.<br>565-7773 (telephone) |
| 2. Airplane Machanic | Thomas Long<br>Cortez, Colo.<br>565-7980 (telephone) |
| 3. Pilot | Don Roberts<br>Cortez, Colo.<br>565-8291 (telephone) |
| 4. Security Guard | Mrs. Lynn Patten<br>Cortez, Colo.<br>565-7687 (telephone) |
| 5. Security Officer | Tommy Hager<br>Dolores, Colo.<br>565-3681 (telehpone) |

## QUESTIONS TO ASK RESOURCE PEOPLE

1. What does your work involve?
2. How many hours do you work each day?
3. Do you like your work?
4. Is your job interesting?
5. What do you like most about your work?
6. What do you dislike about your work?
7. How did you get the job?
8. How much schooling or training was necessary for your job?
9. Are there chances for advancement in your job?
10. What does the job pay to people just starting in it?
11. How much can one go up to in pay?
12. Would you recommend this work to a young person? To me?

## ACTIVITIES

1. Administer pre-test to students.
2. Discuss the pre-test after the children have taken it. Explain that they are going to learn more about the people who work in and around the airport.
3. Allow each child to share with the rest of the class any flying experiences they may have had or any visit that they may have made to an airport.
4. Introduce the vocabulary words listed.
5. Show some filmstrips to the class which tell about all the people who work in and around an airport or aboard an airplane.

   Filmstrips:

   The Airport
   Passenger Service
   Airline Ticket Agent
   Jet Captain
   Stewardess
   FFlight Engineer
   Air Freight Agent
   Jet Engine Mechanic
   The Flight Crew and the Controllers
   Preparing a Plane for Flight
   Control Tower Operator
   Skycap and Baggage Handler
   Aircraft and Maintenance Mechanic
   Aircraft Maintenance & Food Services
   Keeping the Airport Running
   Let's Take an Airplane Trip

   Film:
   The Busy Airport
6. Have resource people come to classroom and tell about all the people who work in and around the airport.
7. Have children make a mock airport and role play the different jobs studied in it.
8. Have each child define the vocabulary words.
9. Build model airplanes of different type and of different time periods.
10. Make a flight schedule of air travel in and out of the Cortez airport. (class project)

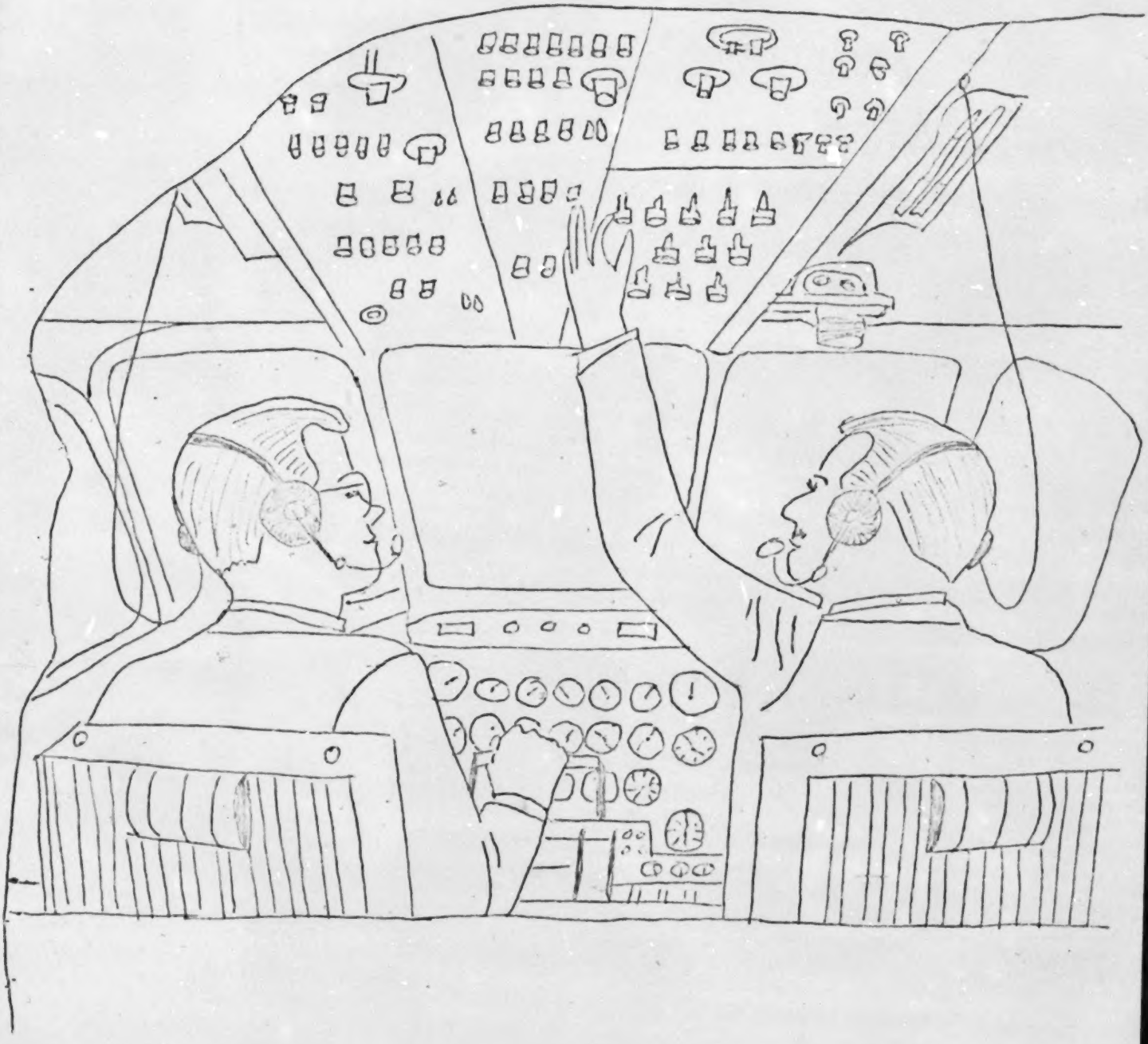
11. Collect pictures of different airport careers and make a bulletin board.
12. Write questions to ask resource people.
13. Write thank you notes to resource people.
14. After viewing filmstrips discuss the filmstrip and the subjects in school that would benefit one in doing each particular job.
15. Do story problems in math which might confront an airline ticket agent.
16. List orally as many jobs related to the airport as possible.
17. Administer the post-test. This will be the pre-test taken over.

Look at the pictures on the following pages. Using your vocabulary list label each picture correctly.

PICTURE 1

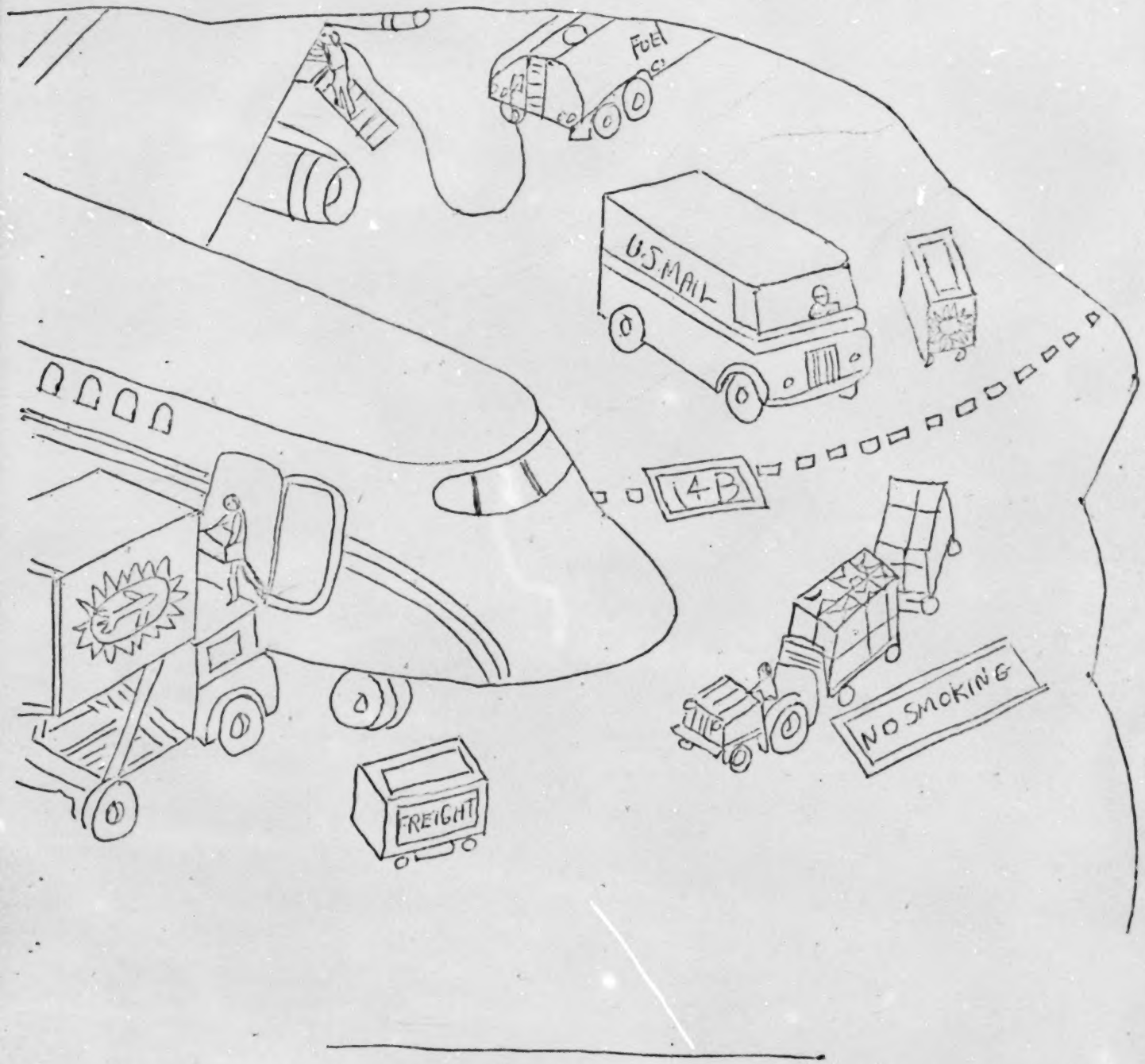
GATE
6
PLEASE
SHOW
TICKET
BEFORE
ENTERING

PICTURE 3

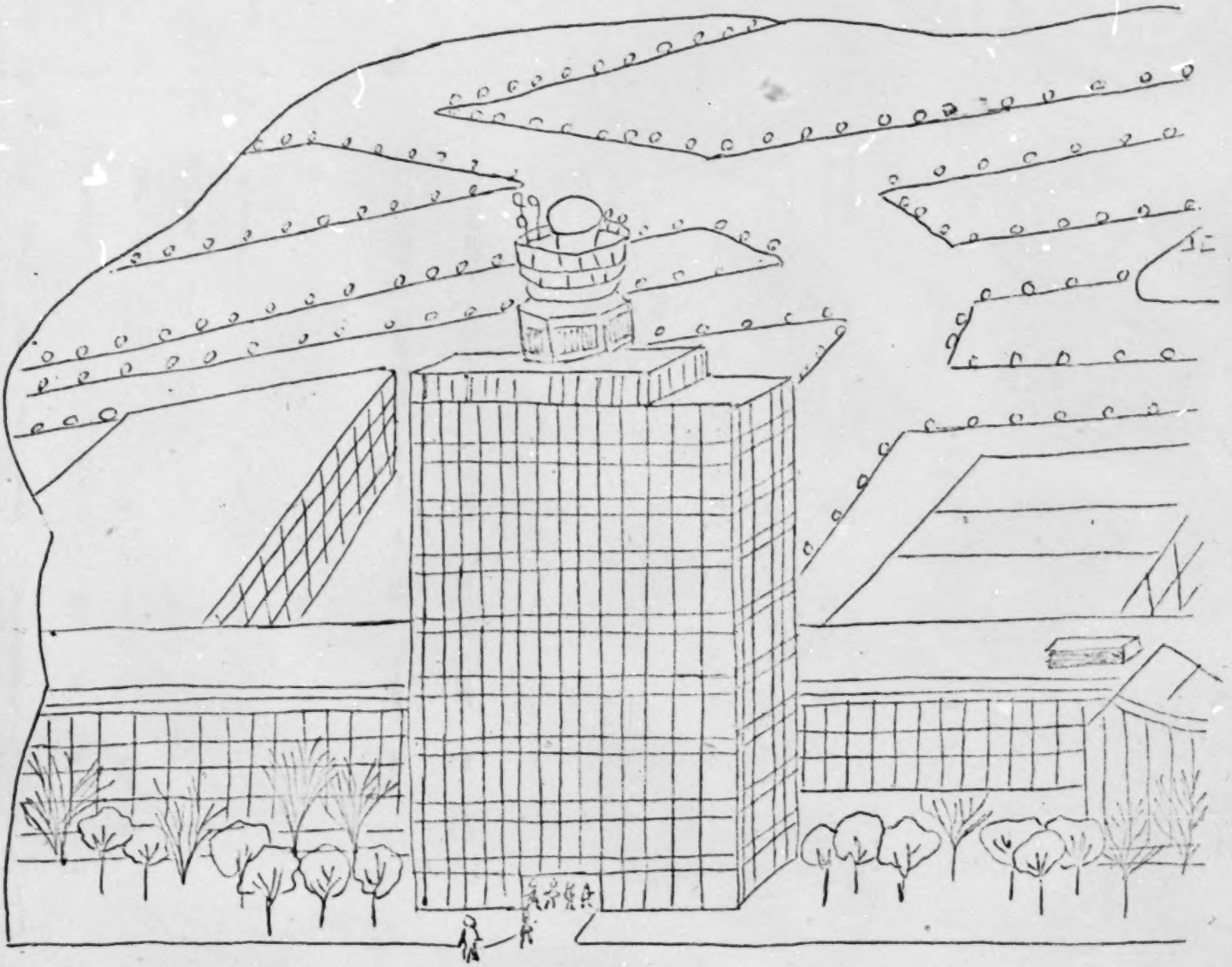


PICTURE 4

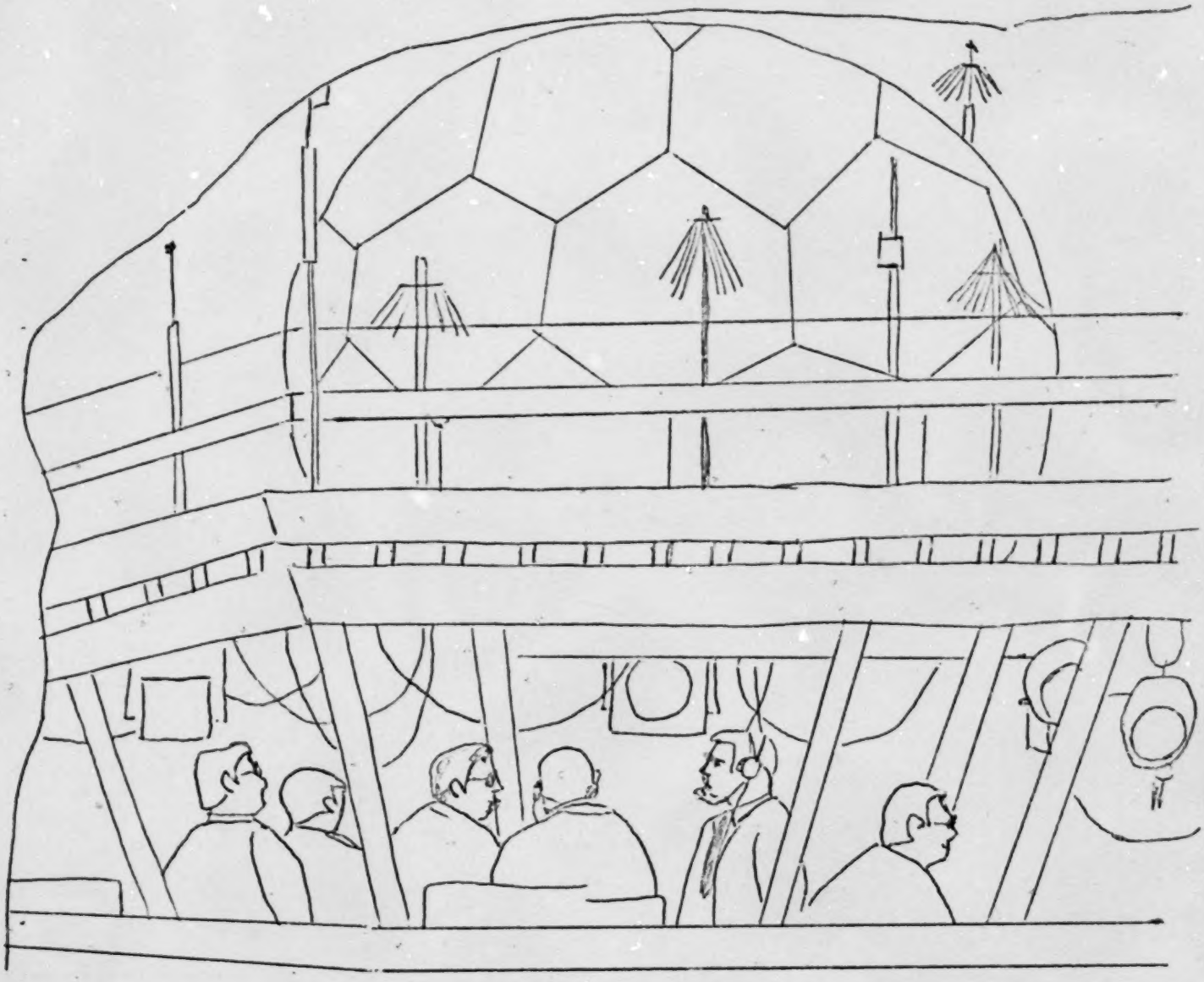
PICTURE 5



PICTURE 6



PICTURE 7



## ANSWER SHEET FOR PICTURES

1. Skycap
2. Ticket Checker
3. Pilot co-pilot
4. Stewardess
5. Aircraft and Maintenance Mechanic
6. Control Tower
7. Air Traffic Controllers

## GAMES TO PLAY

GAmes help students remember facts without painful drill which alienate interest.

### WHO AM I?

For this game each student has a career name pinned on his/her back. Use names from the career list. Each student comes to the front of the room, turns so that all can read "his career name," and then ask questions which require yes or no answers. The students attempt to identify his personality through these questions as quickly as possible. The number of questions that may be asked by each student may be limited so that all may have a chance to participate.

### GUESSER

One child designated as the "Guesser," faces away from the chalkboard. The teacher writes a career on the board and immediately erases it. The career will be described for the "Guesser" by the other children who proceed from general to more specific clues.

The description could end with the spelling of the career if the "Guesser" has not been able to identify the career.

Caution: Children should not "give it away" with too specific clues at the outset.

## AIRPLANE FLIGHT

Purpose: To listen thoughtfully in order to identify words appearing in the vocabulary list.

Players: Two groups

Materials: Word cards from the vocabulary list

Directions: Divide the children into two groups of similar ability, with each group representing an airplane. The teacher places a number of word cards, side by side, on the chalk rail. She then clearly pronounces one of of the words. The first child in Group 1 goes to the chalk rail and points to his word, giving a description of the meaning of the word. If he is correct, he takes the word card to his seat.

The first child in Group 2 follows the same procedure and the game continues until all children have had a chance. The group with the most cards may have their plane "take off" and march quietly in a line around the room and back to their seats. All cards are now placed back on the chalk rail. The game continues during a second round or until the teacher's judgement indicates a terminal point.

# OCCUPATIONAL RIDDLES

Purpose: To help familiarize the children with different occupations in an airport.

Activities: Read the riddles to the children and have them anme the occupation it is describing

1. My job is to help people get on an airplane. I sell tickets and check baggage. Who am I?

   Ans. Ticket Agent

2. I make people comfortable and happy on the airplane. Who am I?

   Ans. Stewardess

3. I am the person who makes it possible for you to read books and magazines. Without me you would have very little to read or eat. Who am I?

   Ans. Stewardess

4. I make the airplane safe for you to ride. Who am I?

   Ans. Aircraft and Maintenance Mechanics

5. You are glad to see me if you have lots of luggage to carry. Who am I?

   Ans. Skycap

6. I have to help the pilot get the airplane safely into the air. Who am I?

   Ans. Air Traffic Controllers

7. I pick up baggage and take it to your car. Who am I?

   Ans. Skycap

8. I put the fuel into the airplane. Who am I?

   Ans. Maintenance Man

9. I use arm signals to show the pilot where to bring the airplane to a stop. Who am I?

   Ans. Ground Crewman

10. I am sort of a doctor of airplanes. I know how to put all the parts together and how they should work. Who am I?

    Ans. Mechanic

11. I fill the gas tank and check the plane and when I am finished --- your plane is ready to go. Who am I?

    Ans. Aircraft and Maintenance Mechanics

12. I wear a uniform and cap. I fly the airplane. Who am I?

    Ans. Pilot

13. I take orders and carry trays and serve all sorts of food. Who am I?

    Ans. Stewardess

14. I work at a desk. I answer the telephone and make reservations to ride on an airplane. Who am I?

    Ans. Ticket Agent

15. I see that your luggage gets on the airplane and that all mail and packages are put on the airplane. Who am I?

    Ans. Air Frieght Agent

MATHEMATICS

1. If an airplane ticket, from Durango to Cortez, cost $10.00, how much will two tickets cost?
2. If a round trip ticket cost $10.00, how much will a ticket cost one way?
3. Today is the eighth day of April. Four days from now we will make a trip by plane. That will be what date?
4. If your plane leaves here at 4 o'clock and arrives in Denver at 6 o'clock, how many hours will you have traveled?
5. Mrs. Parks has 20 children in her class. There are 5 children taking a plane to Denver. How many children are left?
6. A family of eight people checked in 15 pieces of luggage at the airport. When they arrived at their destination only eight pieces of luggage was there. How many were missing?
7. Mr. Newton bought a ticket that cost $15.00. He gave the ticket agent a twenty dollar bill. How much change did he get back?
8. Mrs. Long bought 3 plane tickets to go to visit grandmother. There are 9 people in her family. How many more tickets does she need?
9. Mrs. Rick's children drew 24 pictures of airplanes. She put them on the wall in rows. There were 6 pictures in each row. How many rows were there?
10. There are three second-grade classes in Mesa School. Each second-grade class has 20 children in it. If the children all went on a field trip to the airport, how many second-grade children would go?

11. Mike wants to buy an airplane ticket. The ticket costs $25.00 but Mike has only $10.00. How much more does he need?

12. Look at the schedule below of various trips and the cost of each trip and answer the following questions:

TYPICAL FARES FLYING TO HONOLULU

| FROM | JET ECONOMY | JET COACH | JET FIRST CLASS |
|---|---|---|---|
| SAN FRANCISCO | 200.00 | 220.00 | 285.00 |
| CHICAGO | 380.00 | 430.00 | 518.00 |
| BOSTON | 481.00 | 524.00 | 619.00 |

1. John lives in San Francisco. He wants to go visit a friend who lives in Honolulu. How much would a ticket cost him?
2. How much does it cost to fly from Chicago to Honolulu on a Jet Economy flight?
3. Which costs the most to fly from Boston to Honolulu or to fly from Chicago to Honolulu if one takes the Jet Coach?

# ANSWERS TO MATHEMATICS WORKSHEET

1. $20.00
2. $5.00
3. Twelfth day of April
4. 2 hours
5. 15 children are left
6. 7 pieces are missing
7. $5.00
8. She will need 6 more tickets
9. 4 rows
10. 60 children
11. $15.00
12.
    1. $200.00 4220.00 $285.00
    2. $380.00
    3. Boston to Honolulu

## OPTIONAL ACTIVITIES

1. Collect as many travel folders as possible. Using the travel folders, have students find words that:
   a) are compound words
   b) are contractions
   c) have prefixes
   d) have suffixes
2. Using the dictionary have children find out what the following words mean in relation to the travel folder information.
   a) reservation
   b) cancellation
   c) budget plan
   d) luxury lines
   e) tourist
   f) brochure
3. Dramatizing
   Have children prepare short skits involving situations encounteres while at airport.
   a) making reservations at the ticket counter
   b) attempting to locate missing baggage
   c) boarding a scheduled airplane for Mexico and suddenly realizing that a member of your family is missing
   d) ordering from a menu which lists unfamiliar foods

## EVALUATION

The teacher evaluates what students have learned.

1. Evaluation in terms of how well each student did his work--was he interested, did he find information?
2. Have students tell what they have learned in the career-pac by role playing.
3. Group discussion similar to the one used in the introductory activities to judge how much has been learned from the unit.
4. Have the students construct a bulletin board on the unit.
5. Have them tell about a career job that they were most interested in.

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